



Attorney's Docket No.: 04873-065002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Yajun Li et al.

Art Unit : 2873

Serial No. : 09/551,272

Examiner : J. Henry

Filed : April 18, 2000

Title : ATHERMALIZED PLASTIC LENS

Commissioner for Patents
Washington, D.C. 20231

RESPONSE

In response to the action mailed January 10, 2001, please amend the application as follows:

In the specification:

Paragraph beginning at page 1, line 29 has been amended as follows:

Summary of the Invention

The invention provides light collection optical elements for a bar code scanner, in which the light connection elements include a collection lens positioned to collect light reflected from a bar code symbol and to direct the light to a light sensing element, and in which the collection lens includes an axicon element shaped and positioned to extend the working range over which the bar code symbol can be resolved by the sensing element.

B7 The axicon may include a polymer. The axicon may be disposed at a substantially spherical surface of the lens. The diffractive optical element and the axicon may be disposed at different surfaces of the lens. The lens may include a diffractive optical element that includes at least eight phase levels. The lens may include a diffractive optical element that includes fewer than nine phase levels. The axicon may be affixed to a surface of the lens. The lens may include an aspherical surface having the optical properties of a combination of a spherical surface with

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